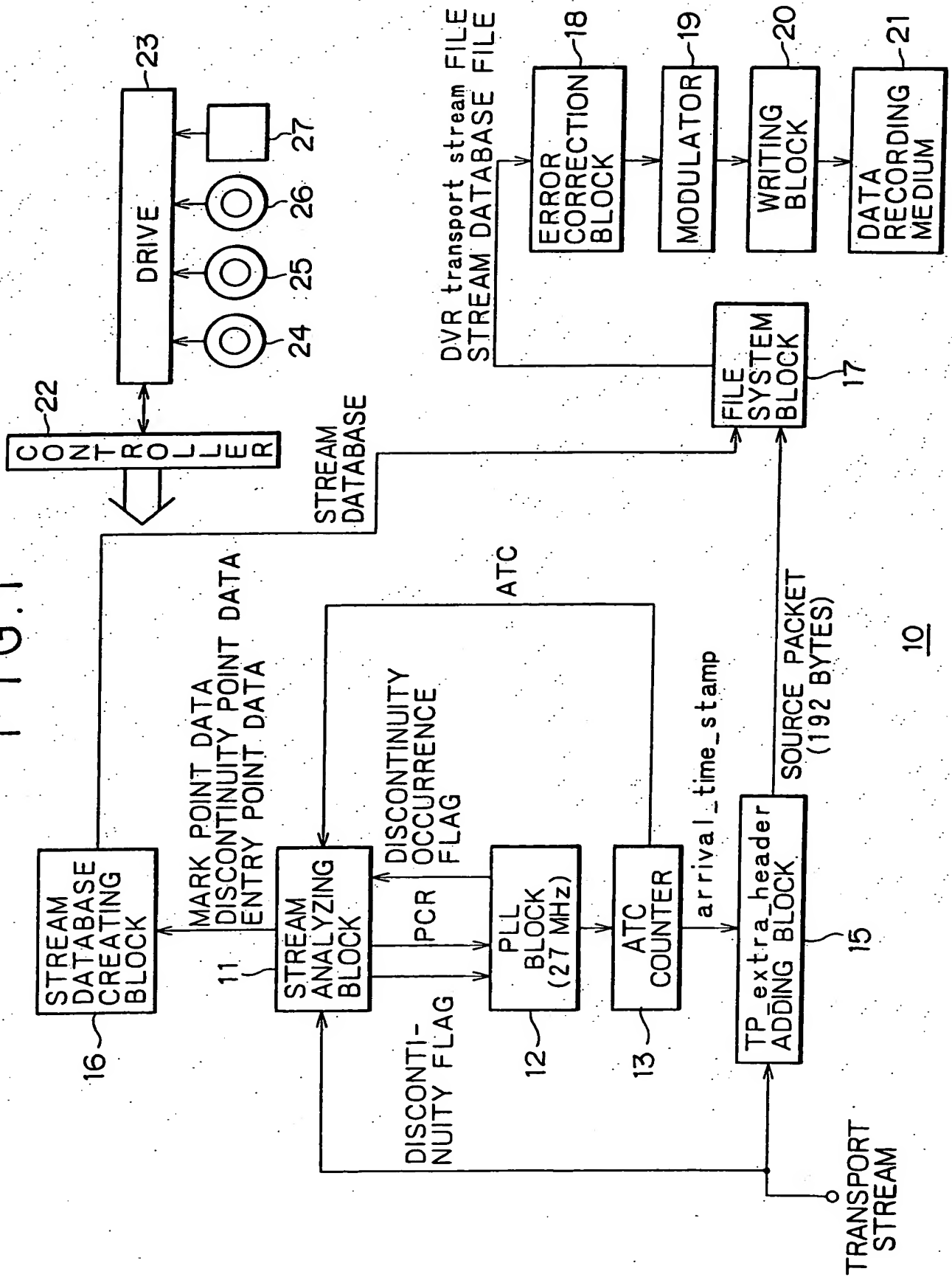


FIG. 1



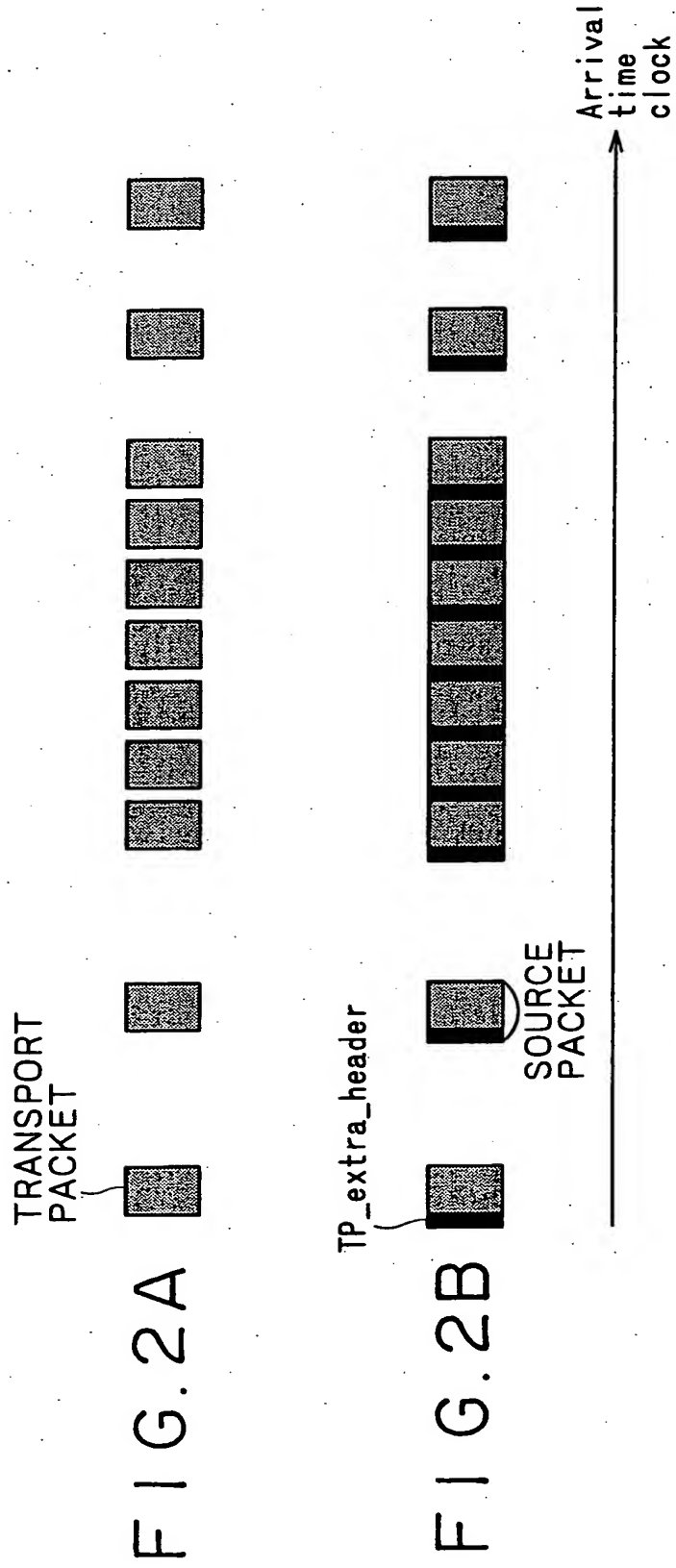


FIG. 3

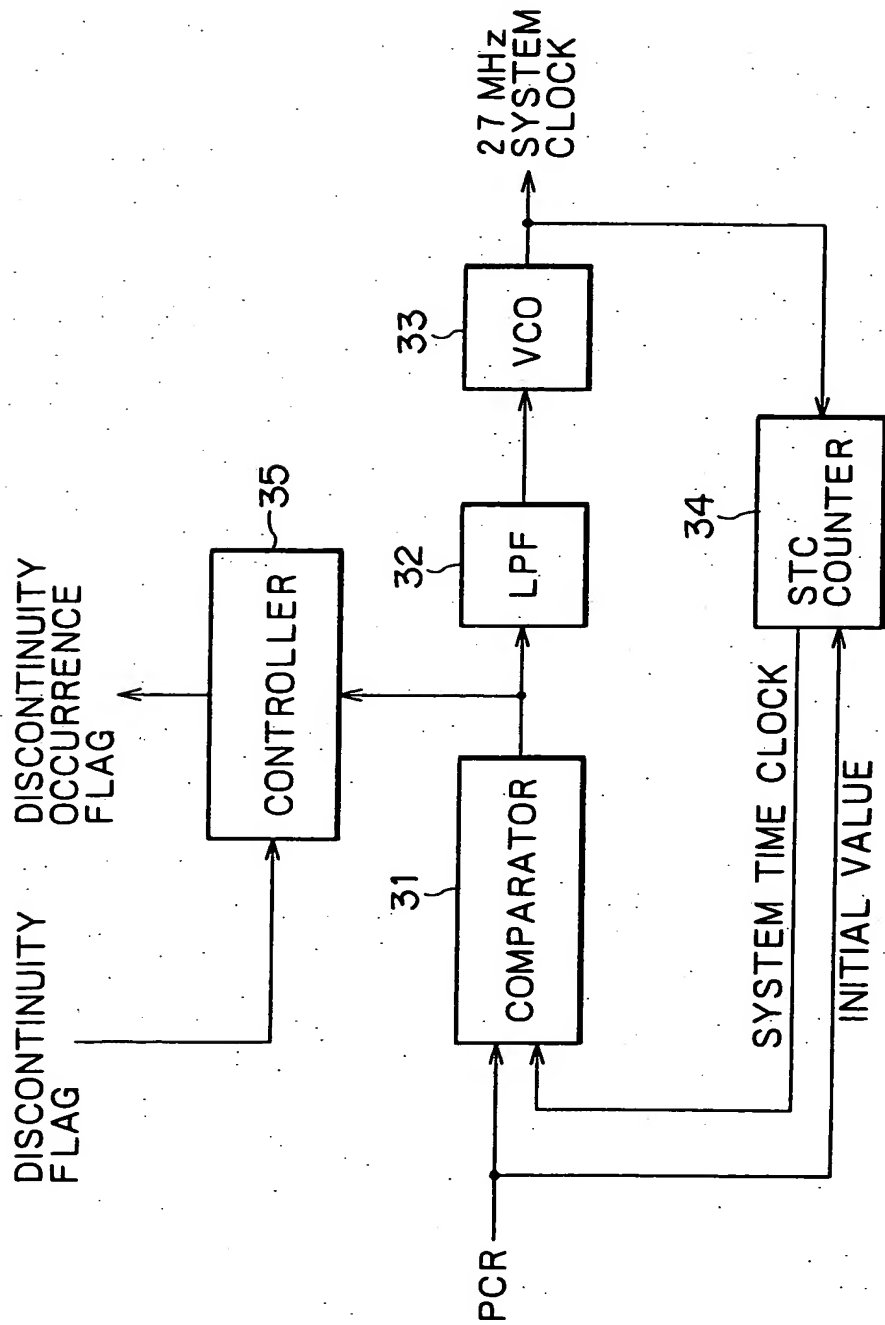


FIG. 4

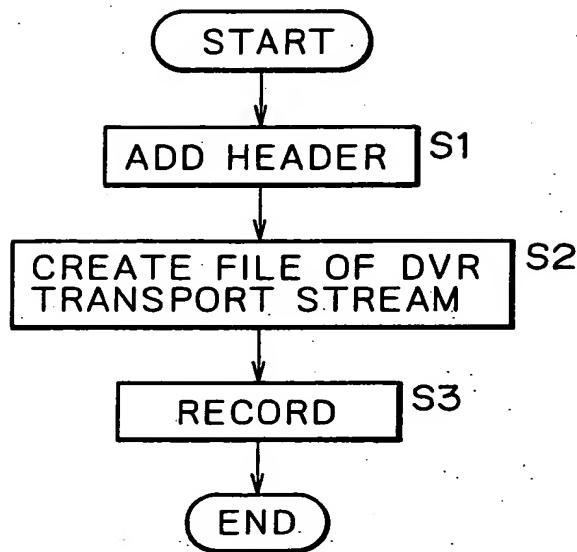


FIG. 5

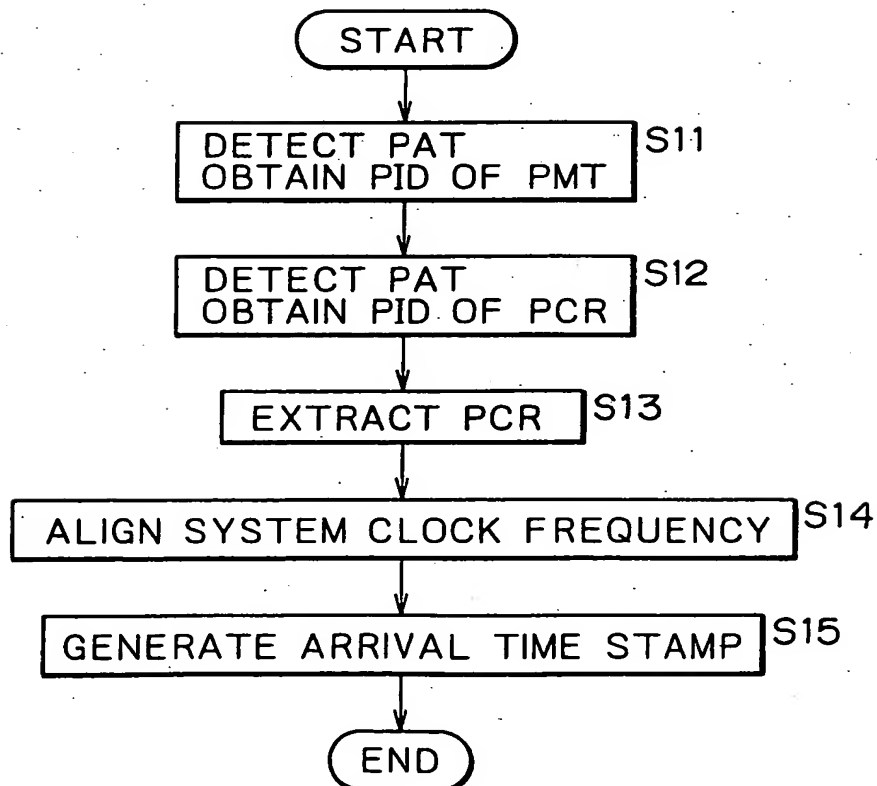


FIG. 6

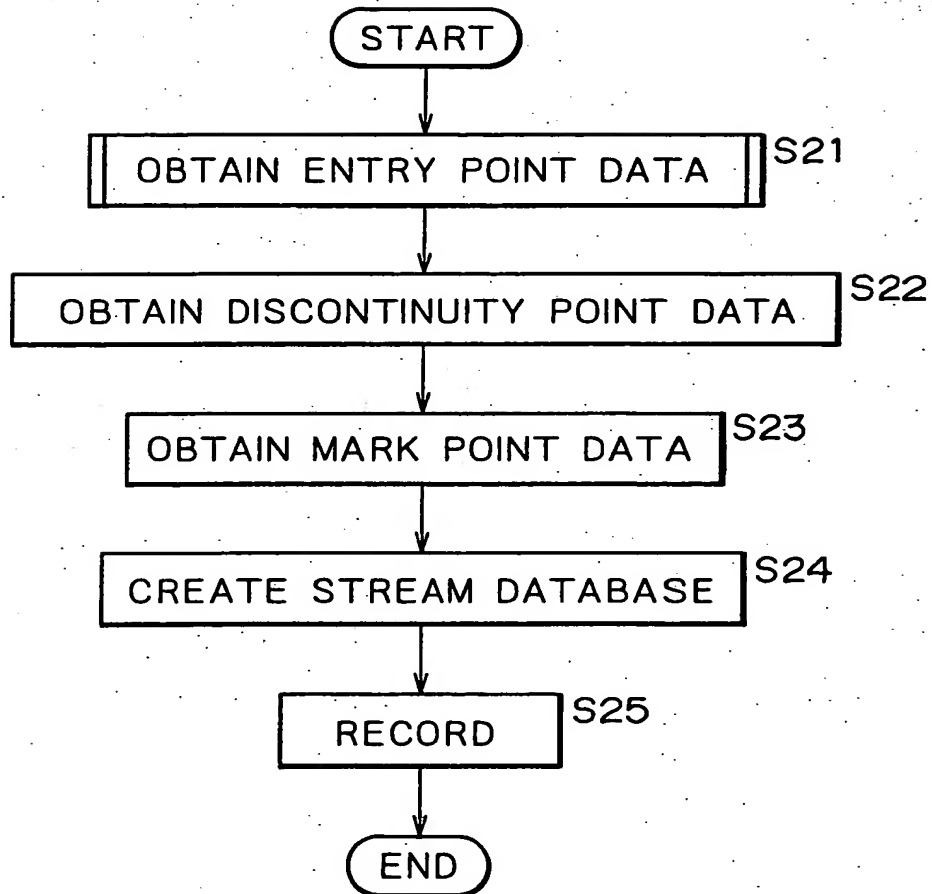


FIG. 7

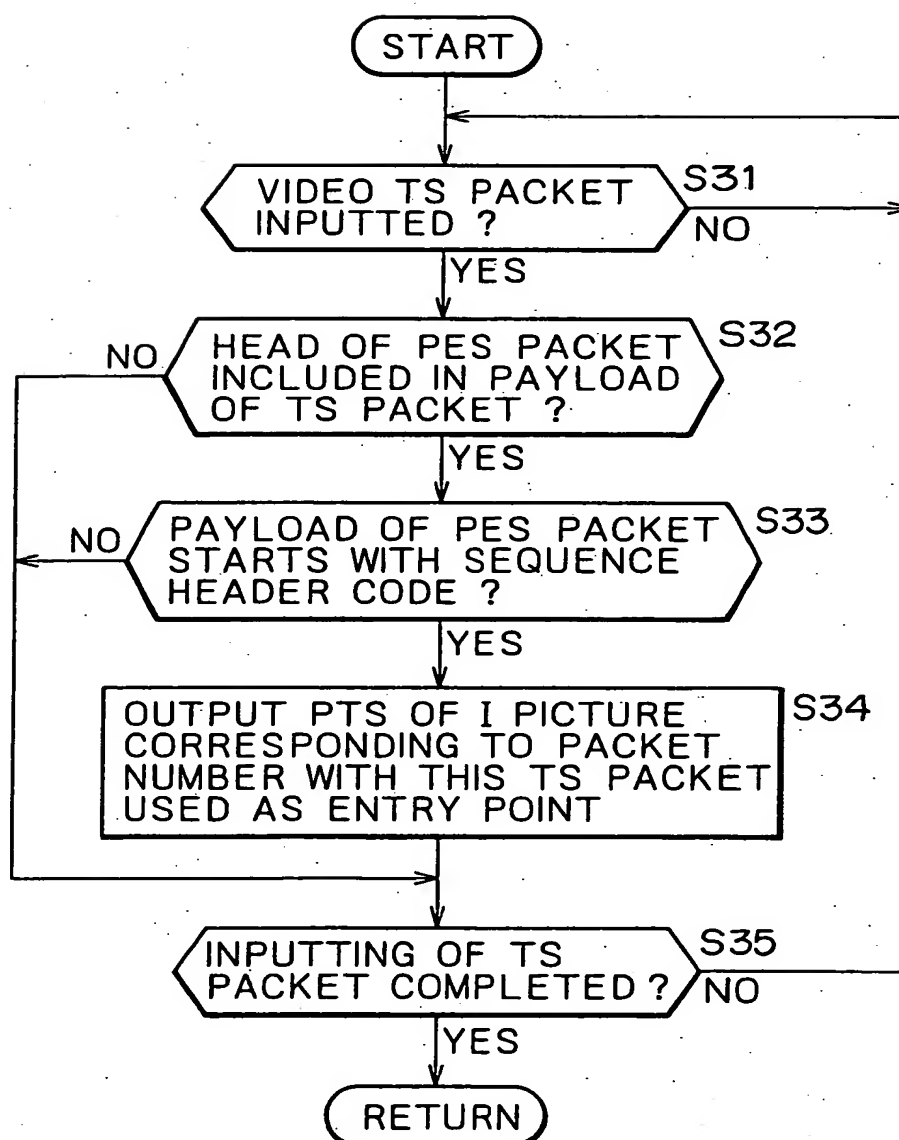


FIG. 8

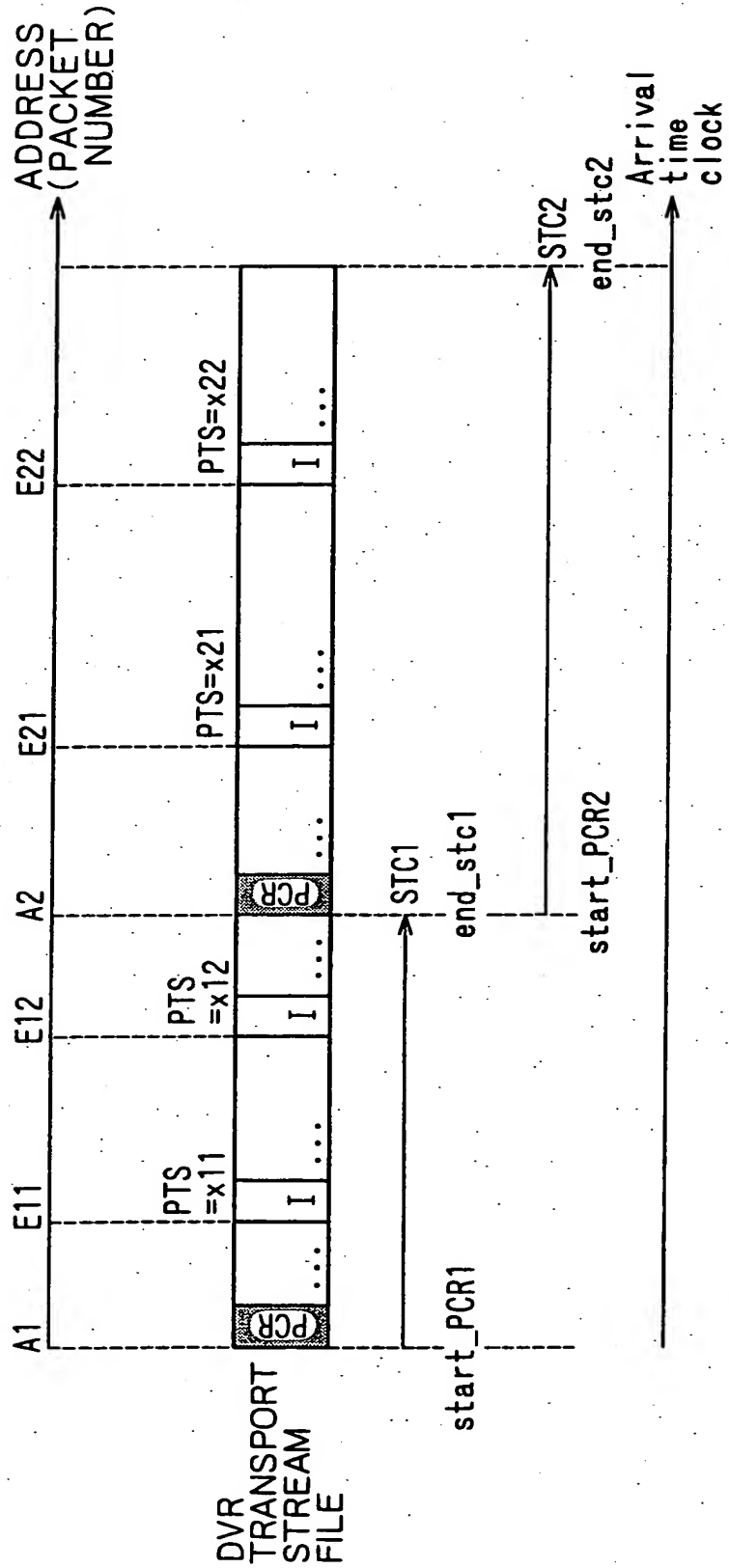


FIG. 9

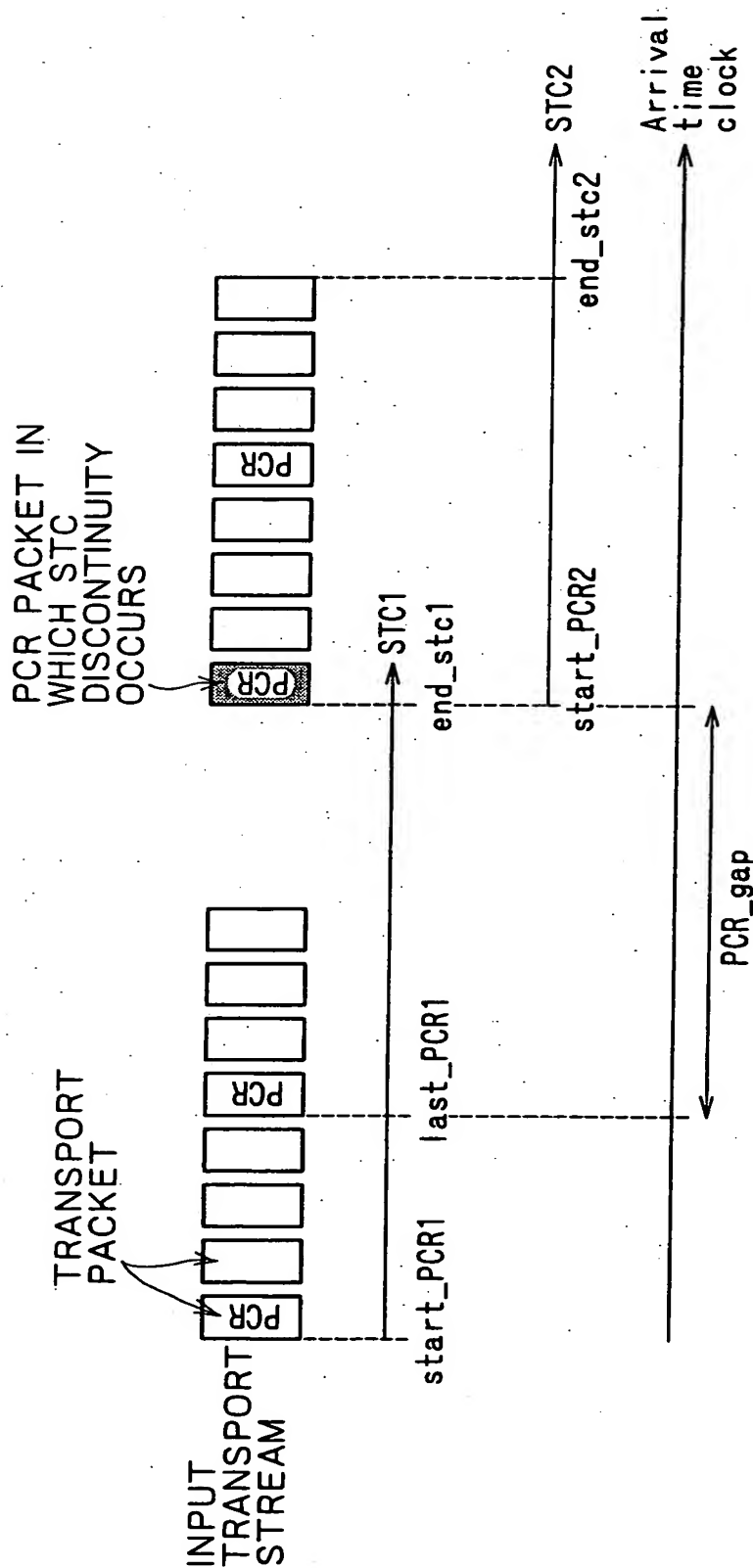


FIG. 10

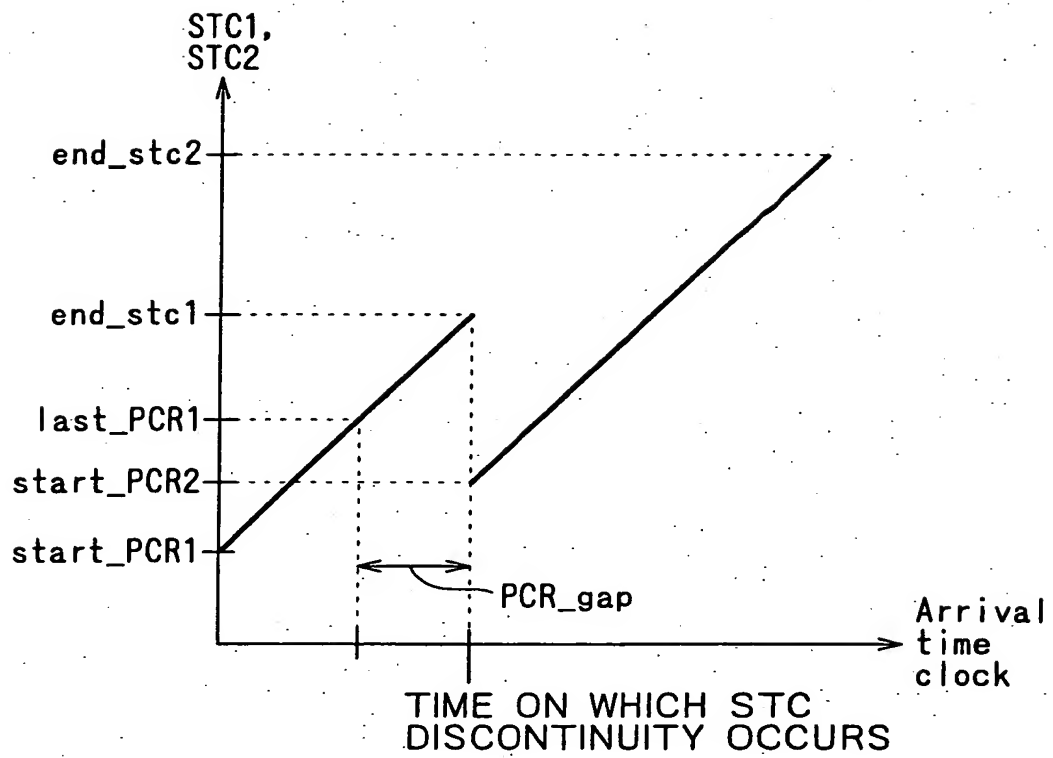


FIG. 11

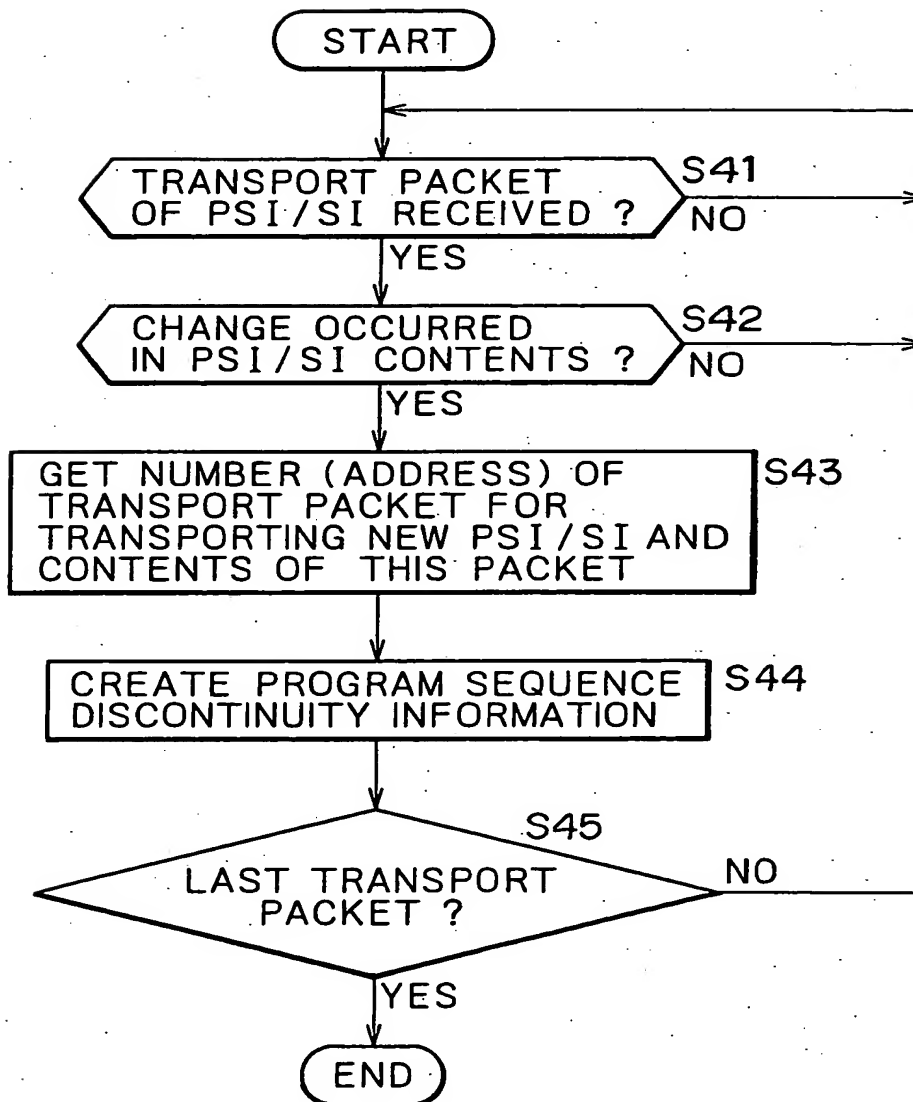


FIG.12

| | |
|--------------------------------------|---|
| video_PID | |
| offset_source_packet_number | |
| PTS OF ENTRY POINT (PTS_EP_start) | ADDRESS OF ENTRY POINT (RSPN_EP_start) |
| x 1 1 | E 1 1 |
| x 1 2 | E 1 2 |
| x 2 1 | E 2 1 |
| x 2 2 | E 2 2 |

ENTRY POINT MAP

FIG.13

| STC TIME AXIS ID (STC_sequence_id) | PCR_PID | start_PCR_value | end_STC_value | RSPN_STC_start |
|---------------------------------------|---------|-----------------|---------------|----------------|
| # 1 | X | start_PCR 1 | end_stc 1 | A 1 |
| # 2 | Y | start_PCR 2 | end_stc 2 | A 2 |

STC TIME AXIS INFORMATION

FIG.14

| Syntax | No of bits |
|---|------------|
| STC_Info() { | |
| length | 3 2 |
| num_of_STC_sequence | 8 |
| for (i=0 ; i<num_of_STC_sequence ; i++) { | |
| STC_sequence_id | 1 6 |
| PCR_PID | 1 6 |
| RSPN_STC_start | 3 2 |
| reserved | 3 1 |
| start_PCR_value | 3 3 |
| reserved | 3 1 |
| end_stc_value | 3 3 |
| } | |
| } | |

FIG.15

| Syntax | No. of bits |
|--|-------------|
| STC_Info() { | |
| version_number | 8 * 4 |
| Length | 3 2 |
| if (length != 0) { | |
| num_of_STC_sequence | 8 |
| offset_STC_sequence_id | 8 |
| for (STC_sequence_id=offset_STC_sequence_id ; STC_sequence_id < (num_of_STC_sequence + offset_STC_sequence_id) ; STC_sequence_id++) { | |
| RSPN_STC_start | 3 2 |
| start_PTS | 6 4 |
| end_PTS | 6 4 |
| } | |
| } | |
| } | |

FIG.16

| Syntax | No of bits |
|---|------------|
| ProgramInfo0 { | 3 2 |
| length | 1 6 |
| number_of_PSI_SI_change | |
| for (i=0 ; i<number_of_PSI_SI_change ; i++) { | |
| PSI_SI_type | 8 |
| if (PSI_SI_type==PAT) { | |
| start_PAT_address | 3 2 |
| } | |
| else if (PSI_SI_type==PMT) { | |
| program_map_PID | 1 6 |
| start_PMT_address | 3 2 |
| program_number | 1 6 |
| PCR_PID | 1 6 |
| number_of_videos | 8 |
| number_of_audios | 8 |
| for (k=0 ; k<number_of_videos ; k++) { | |
| video_PID | 1 6 |
| VideoCodingInfo0 | |
| } | |
| for (k=0 ; k<number_of_audios ; k++) { | |
| audio_PID | 1 6 |
| audioCodingInfo0 | |
| } | |
| } | |
| else if (PSI_SI_type==SIT) { | |
| start_SIT_address | 3 2 |
| } | |
| } | |
| } | |

FIG.17

| Syntax | No of bits |
|--|------------|
| ProgramInfo0 { | |
| version_number | 8 * 4 |
| Length | 3 2 |
| if (length !=0) { | |
| Reserved | 8 |
| Number_of_program_sequence | 8 |
| for (i=0 ; i<number_of_program_sequence ; i++) { | |
| RSPN_program_sequence_start | 3 2 |
| reserved | 3 2 |
| program_map_PID | 1 6 |
| PCR_PID | 1 6 |
| number_of_videos | 8 |
| number_of_audios | 8 |
| for (k=0 ; k<number_of_videos ; k++) { | |
| video_stream_PID | 1 6 |
| VideoCodingInfo() | |
| } | |
| for (k=0 ; k<number_of_audios ; k++) { | |
| audio_stream_PID | 1 6 |
| AudioCodingInfo() | |
| } | |
| } | |
| } | |
| } | |

ProgramInfo – Syntax

FIG. 18

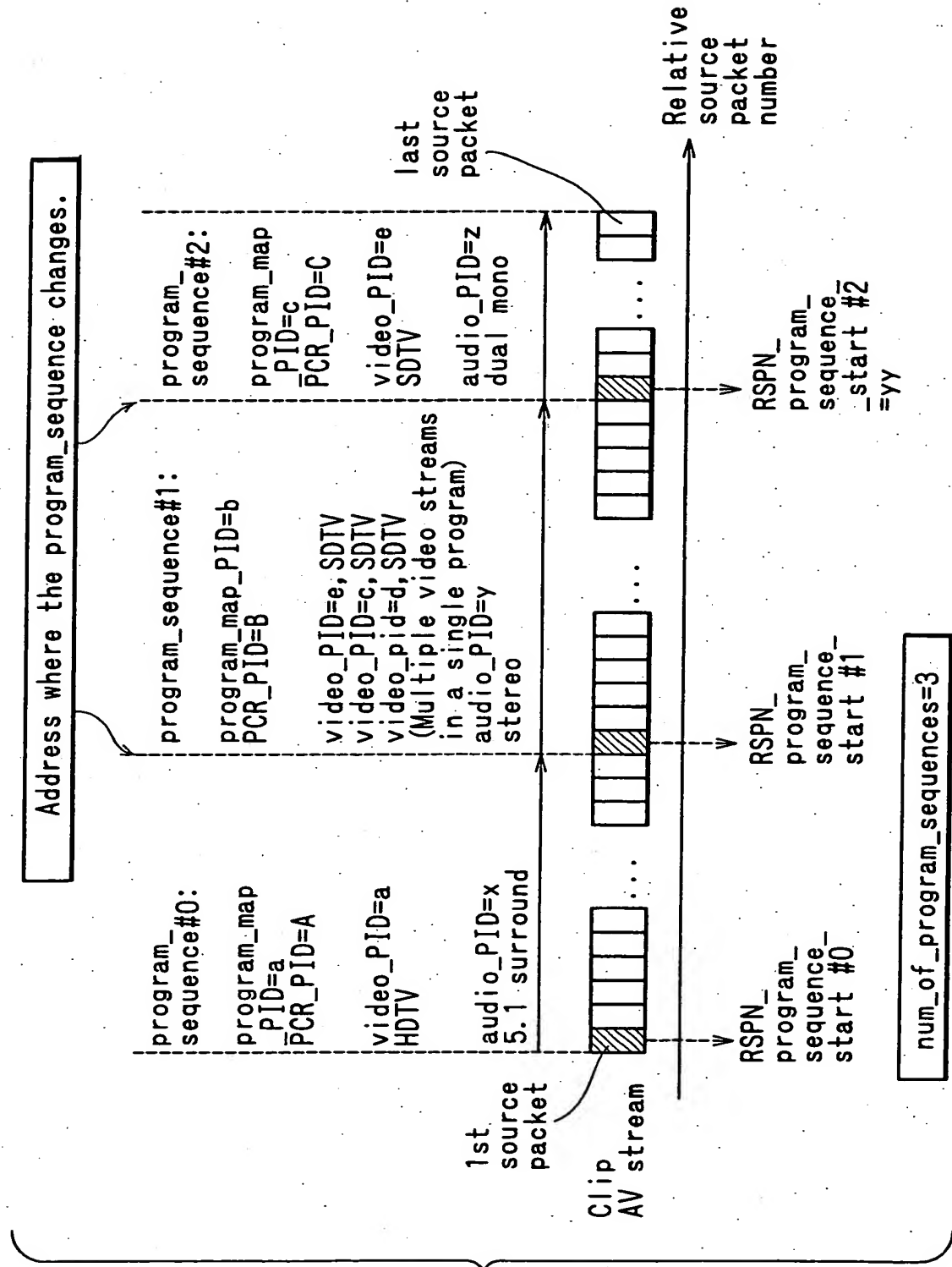


FIG. 19

| Syntax | No of bits |
|---|------------|
| EntryPointMap0 { | |
| length | 3 2 |
| offset_source_packet_number | 3 2 |
| number_of_video_streams | 1 6 |
| for (i=0; i<number_of_video_streams; i++) { | |
| reserved | 3 |
| video_PID | 1 3 |
| number_of_entry_points | 3 2 |
| for (j=0; j<number_of_entry_point; j++) { | |
| PTS_EP_start | 3 2 |
| RSPN_EP_start | 3 2 |
| } | |
| } | |
| } | |

FIG. 20

| Syntax | No of bits |
|--|------------|
| ClipMark() { | |
| version_number | 8 * 4 |
| Length | 3 2 |
| number_of_Clip_marks | 1 6 |
| for (i=0; i<number_of_Clip_marks; i++) { | |
| Reserved | 8 |
| Mark_type | 8 |
| Mark_time_stamp | 3 2 |
| STC_sequence_id | 8 |
| Reserved | 2 4 |
| } | |
| } | |

Mark – SYNTAX

FIG. 21

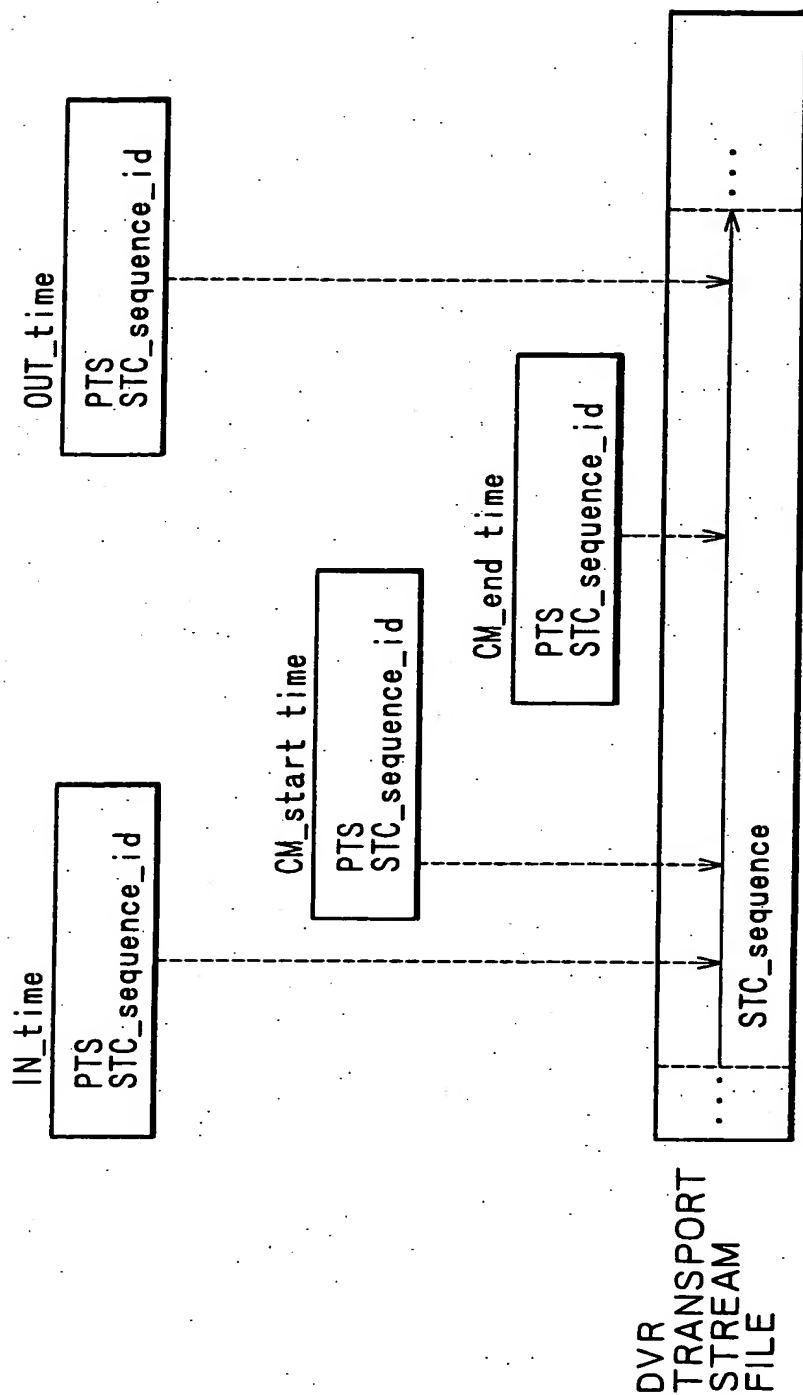
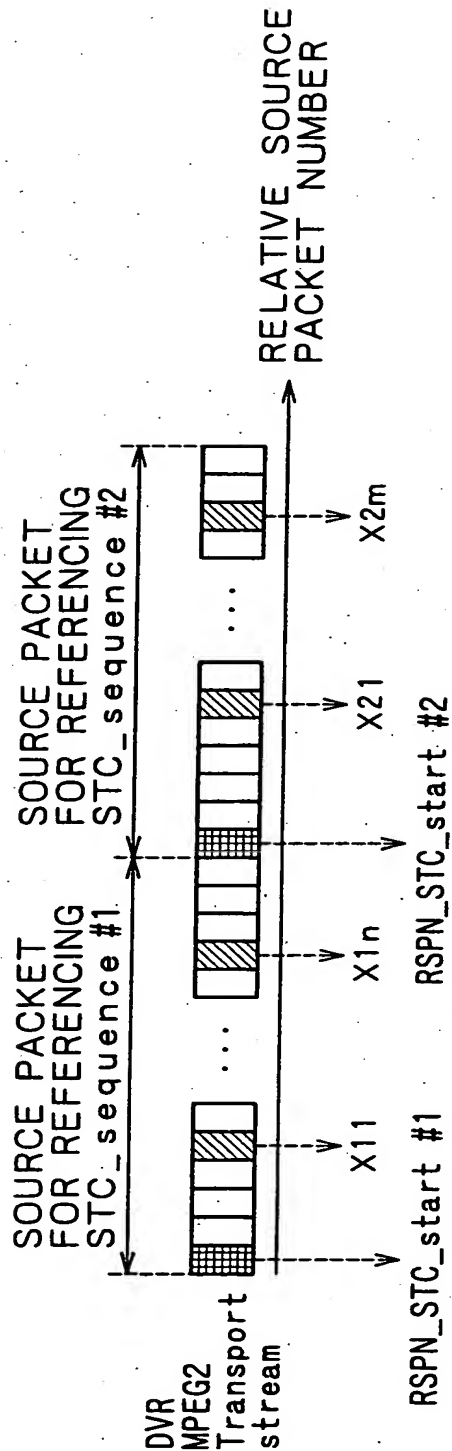


FIG. 22



-  : SOURCE PACKET INCLUDING BYTE 1 OF SEQUENCE HEADER OF VIDEO STREAM REFERENCED BY video_PID=x
-  : SOURCE PACKET TO BE REFERENCED BY RSPN_STC_start STORED IN STC_Info

EntryPointMap
video_PID=x

| PTS_EP start | RSPN_EP start |
|--------------|---------------|
| pts(x11) | X11 |
| ... | ... |
| pts(x1n) | X1n |
| pts(x21) | X21 |
| ... | ... |
| pts(x2m) | X2m |

THESE DATA BELONG TO STC_sequence #1

→ BOUNDARY

THESE DATA BELONG TO STC_sequence #2

RSPN_STC_start #2 < X21

FIG. 23

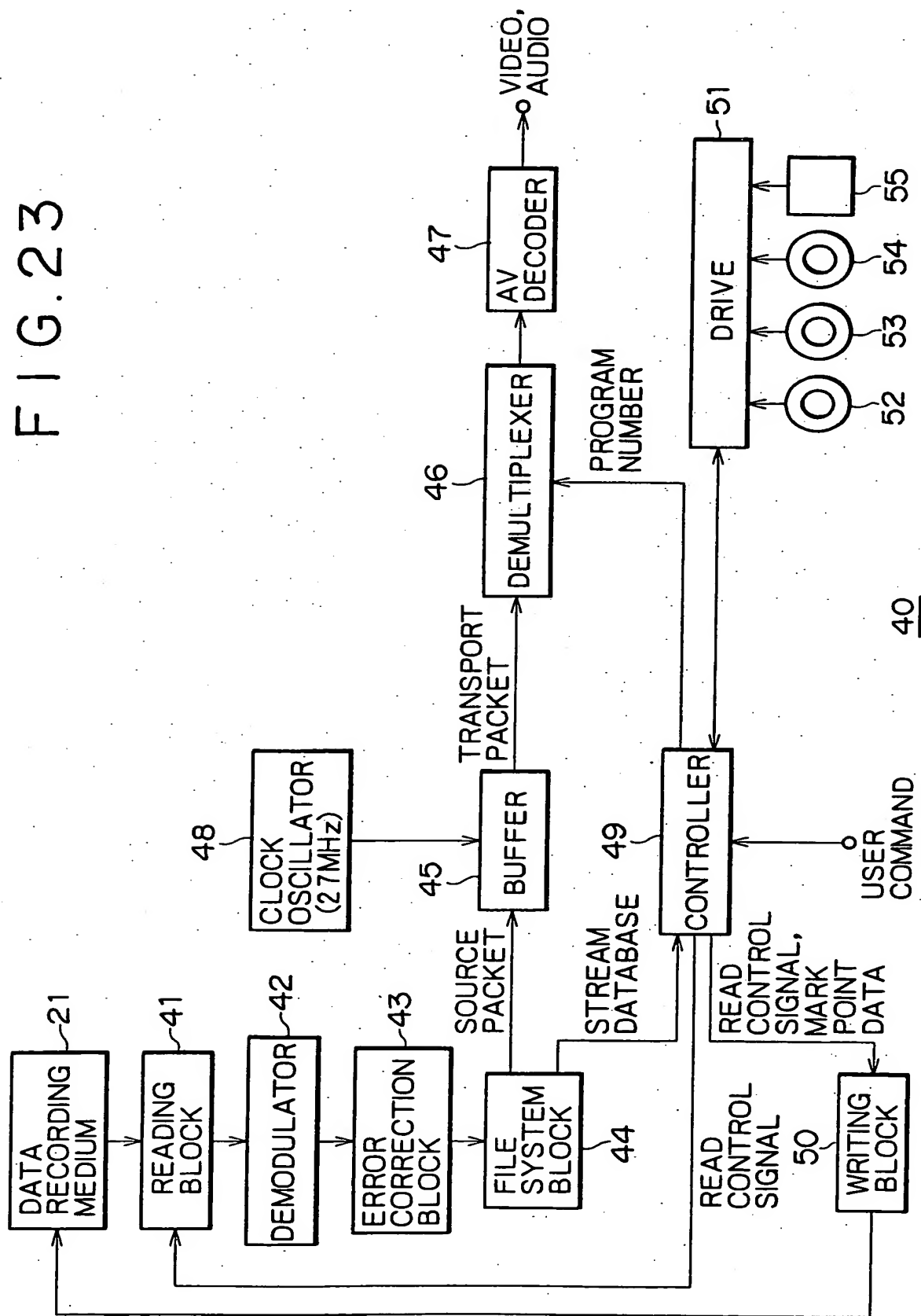


FIG. 24

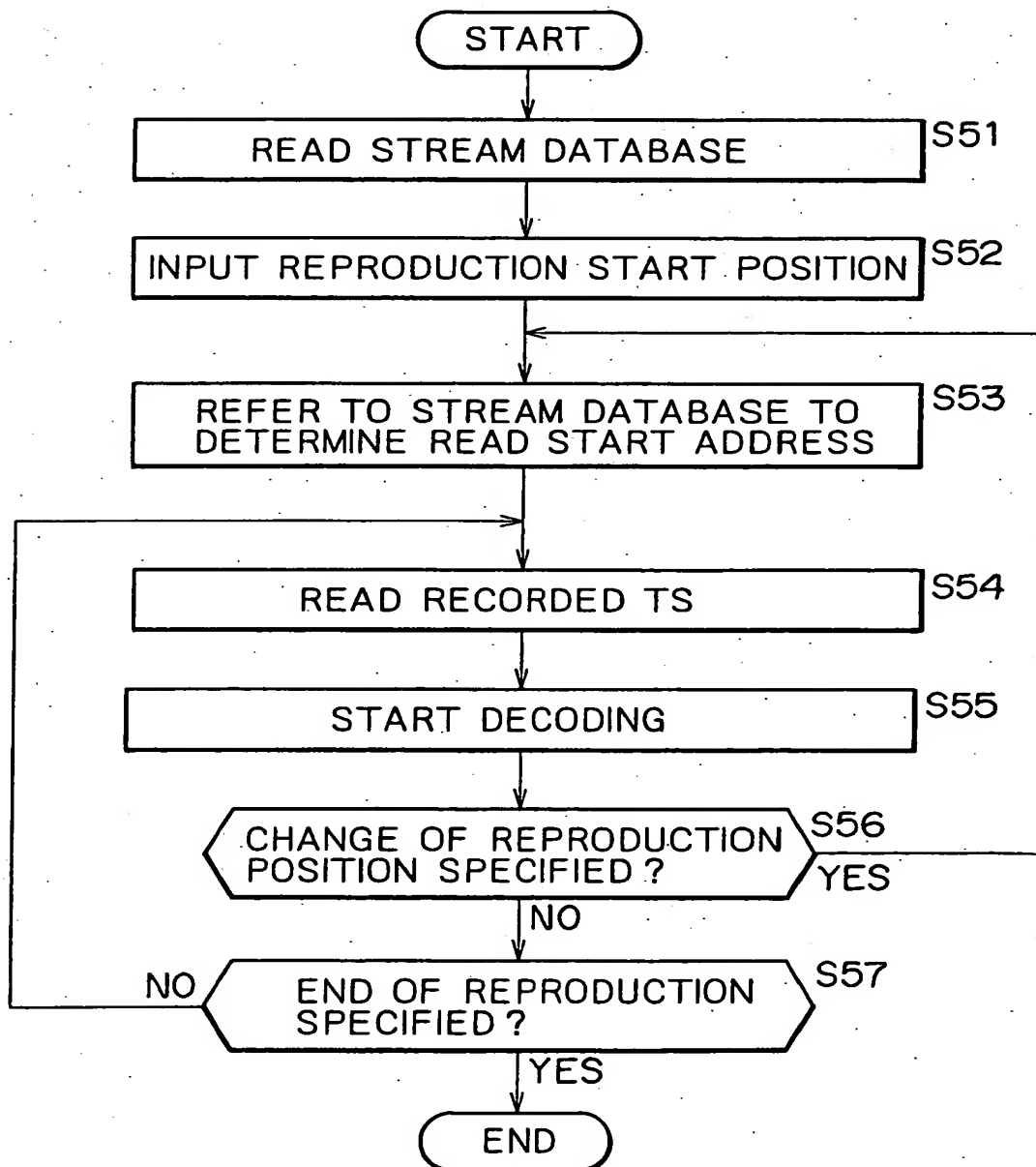


FIG. 25A

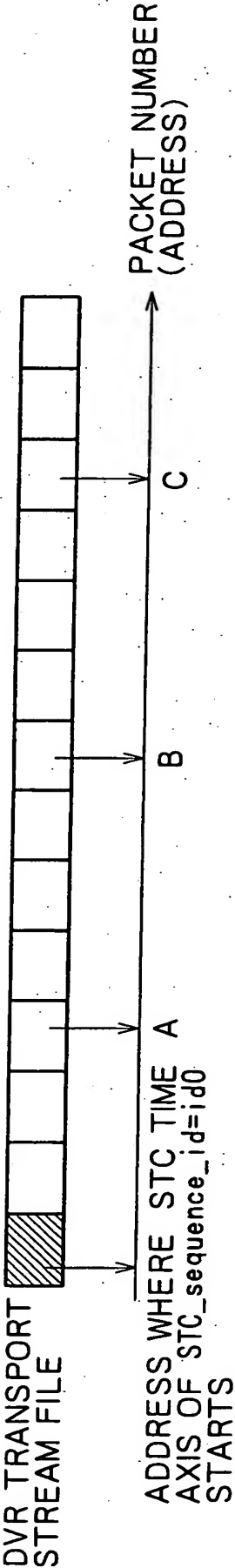


FIG. 25B

| EntryPointMap | |
|---------------|--------------|
| RSPN_EP_start | PTS_EP_start |
| A | PTS(A) |
| B | PTS(B) |
| C | PTS(C) |
| ... | ... |

FIG. 25C

| ClipMark | | |
|-----------|-----------------|-----------------|
| Mark_type | Mark_Time_stamp | STC_sequence_id |
| CMstart | PTS(a0) | id0 |
| CM end | PTS(c0) | id0 |

FIG. 26

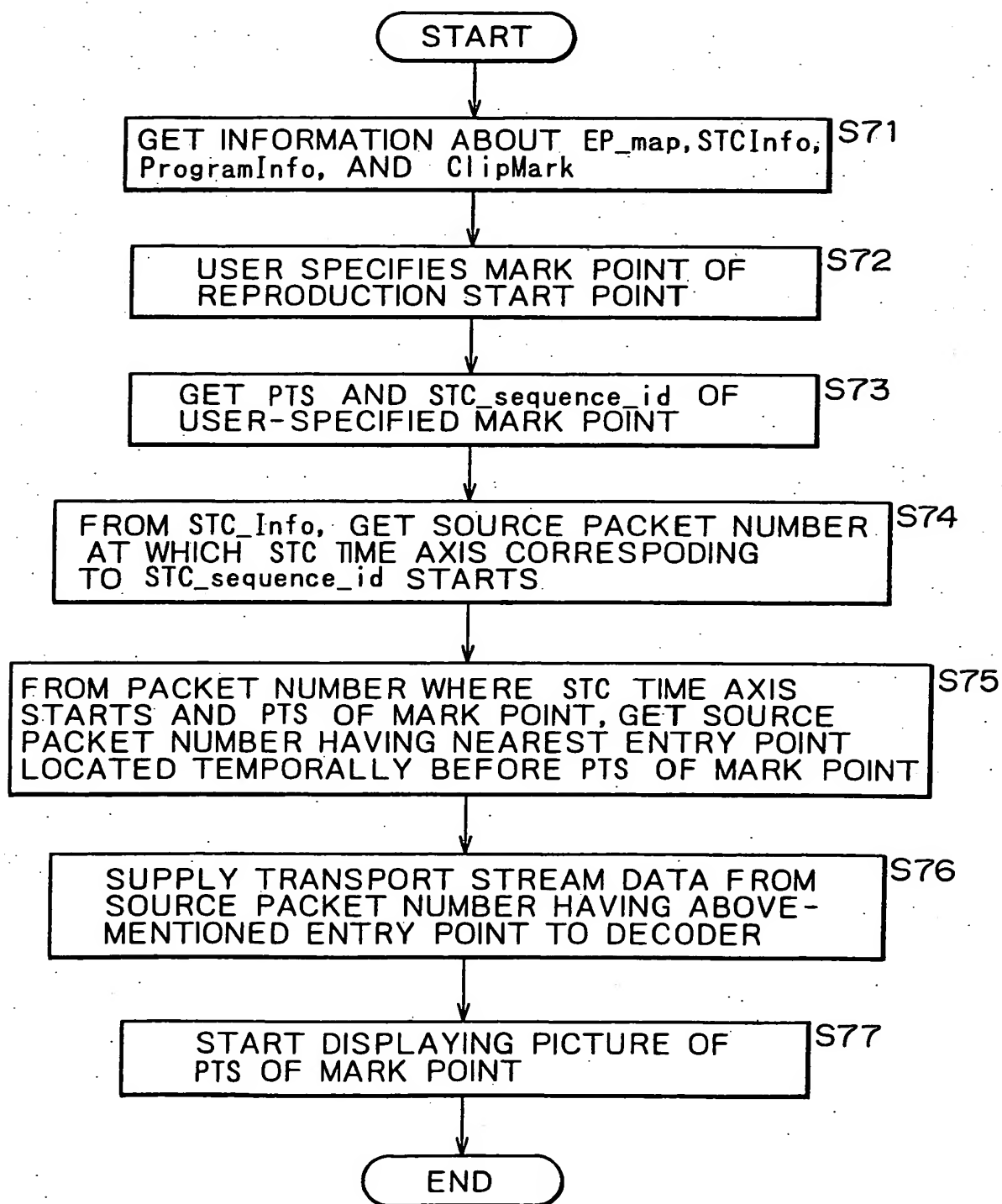


FIG. 27

